REMOTE CONTROL APPLICATION FOR POCKET PC

USER MANUAL

(Release 1.42)

Index

INTRODUCTION 3
SOFTWARE INSTALLATION GUIDE 4
SOFTWARE USER GUIDE 5
Start i-MET SYSTEM Remote Control Application 5
Welcome 5
Login 6
Application Menu 8
User Manager 10
Communication Settings 13
i-MET SYSTEM Devices Search 14
Searching i-MET SYSTEM Devices 15
Setting i-MET SYSTEM Device Properties 16
Connecting to i-MET SYSTEM Devices 18
Working with i-MET SYSTEM 21
Status Tab 23
Date Change Tab 31
Operating Mode Tab 24
Info Tab 31
i-MET SYSTEM Mould Production Data Reports 34
Production Detail 35
i-MET SYSTEM Components 37

INTRODUCTION

First of all, we want to thank you for buying an i-MET SYSTEM device. This user manual will enable the successful installation of the i-MET SYSTEM Remote Control Application software.

This document will provide you with the information to manage i-MET SYSTEM devices with i-MET SYSTEM Remote Control Application for Pocket PC, using Bluetooth® Wireless Technology.

SOFTWARE INSTALLATION GUIDE

This software is designed to run under Windows Mobile 2003 and later versions with Microsoft .NET Compact Framework 1.0 Installed.

This application uses Bluetooth® Wireless Technology to communicate, so please ensure Bluetooth® Wireless Technology is supported by your Pocket PC device.

To install the i-MET SYSTEM Remote Control Application, the first step is to copy the file **IMET_PPC_RELEASE_1.42.ARM.CAB** provided with this manual in your Pocket PC device.

After file is copied, you only need to click on it, using the File Browser, and the installation process will automatically start.

After a few seconds you will get the i-MET SYSTEM icon inside Start→Programs location of your Pocket PC device.

SOFTWARE USER GUIDE

Start i-MET SYSTEM Remote Control Application

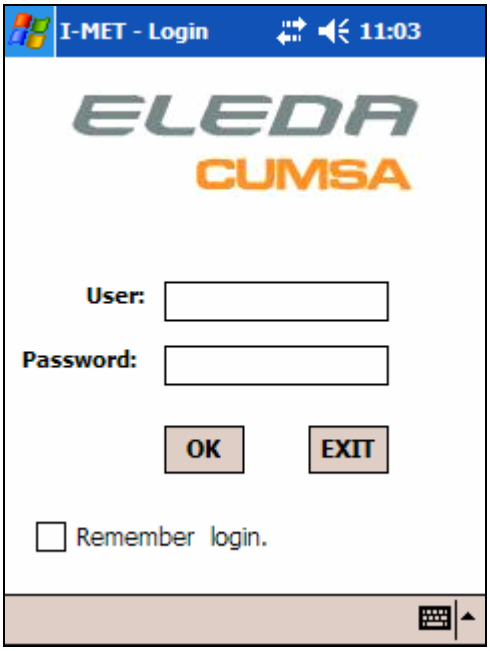
If the installation procedure has been successfully completed, you will find i-MET SYSTEM icon inside Start→Programs of your Pocket PC device.

Click it and i-MET SYSTEM Remote Control Application will automatically start.

Welcome

After several seconds the login screen will automatically appear, during this time the application enables Bluetooth® communications and the rest of the program requested settings from your Pocket PC device.

Login



This screen is to validate the user authenticity. There are two different users levels:

- **Administrator**: Full control. They can read and change data from i-MET devices and manage all the application settings.
- **Guest**: These users only read information from i-MET devices, but are not allowed to modify any information.

After the Application installation, there are two user accounts enabled.

- The first one is called **IMET** and is an Administrator User level.
- The second one is called **guest** and is a Guest User level.

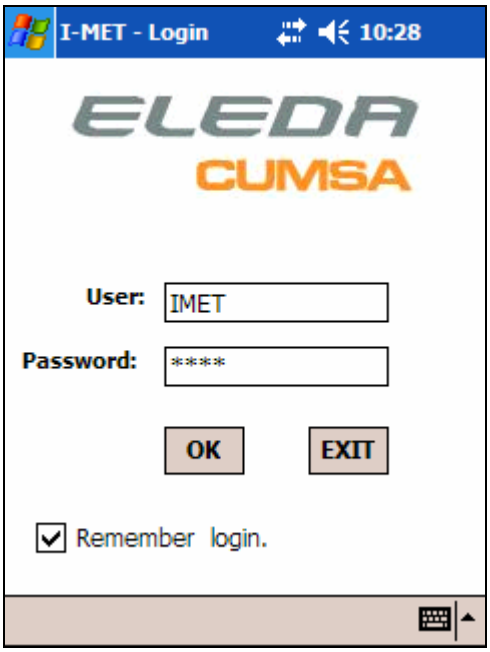
Both have the default password set to **0000** (four zeros).

The first step is login.

It is recommended that you use the **IMET** user initially because in this way, you have full control and you can:

- Change the default passwords.
- Add new users.
- Modify application settings.

Once you complete the user and password settings, click **OK** for login. If you do not want to use the application, you can close it by clicking **EXIT**.



If you decide to activate Remember login field, the user and the password you set will be shown by default at the next launch of the application.

Note:
User and Password are not case sensitive.

Application Menu

The menu bar is at the bottom of the screen.

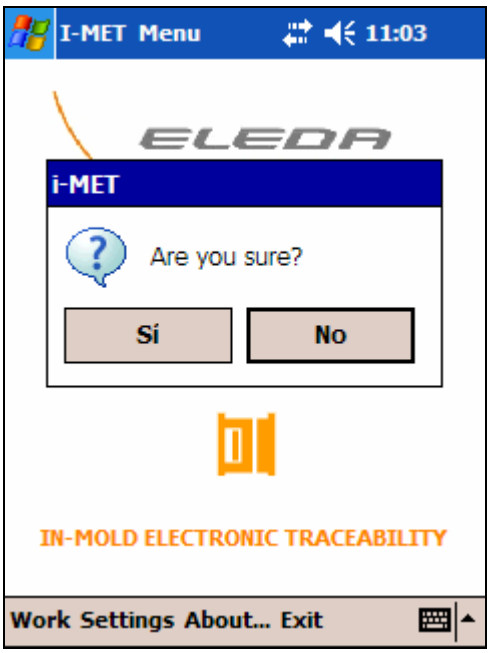
Work: Click it to start the i-MET Remote Control application access. (See i-MET Device Search on page 14)

Settings: When you click it, two options will appear:

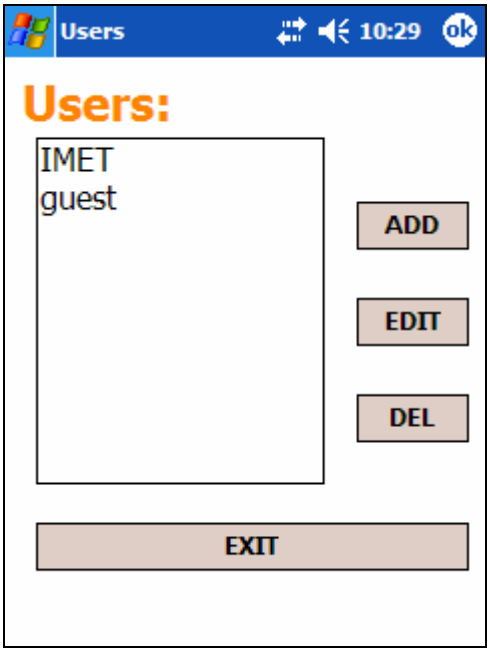
- **Users:** Click it to manage the user accounts of the application. (See User Manager Screen on page 10).
- **Communication Settings**. (See Communication Settings on page 13)

The third item is **About,** and when you click it you will see the next contact data screen:

The last item in the menu is **Exit**, when you click it a dialog box appears to confirm you are leaving. Press **OK** to exit or **CANCEL**.



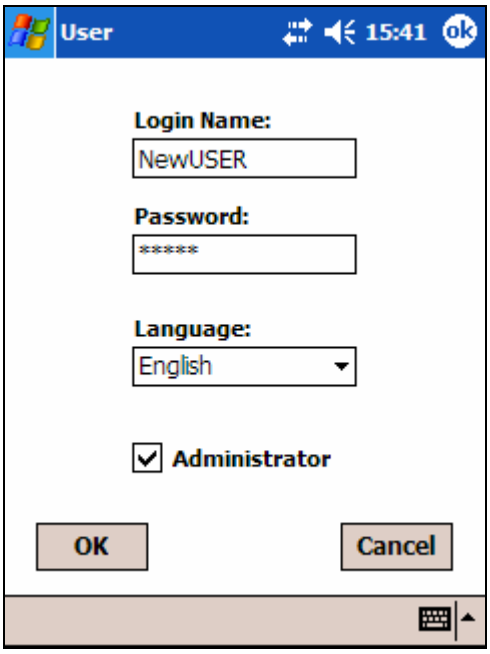
User Manager



Here you can manage the user accounts of the i-MET SYSTEM Remote Control Application.

You see the list of all users that are currently enabled in the application.

Whenever you wish to add a new user, click **ADD** and fill the form with the new user data.



- Login Name: User name. Please remember it is case sensitive.
- Password: 20 alphanumeric digits maximum.
- Language: The preferred language of the user will be set as default language when a user starts its session.
- Administrator: If you check this box, the new user will have full control; otherwise the new user can only read information from i-MET devices.

To confirm the new user data press **OK**.

Re-type the password and again press **OK**.

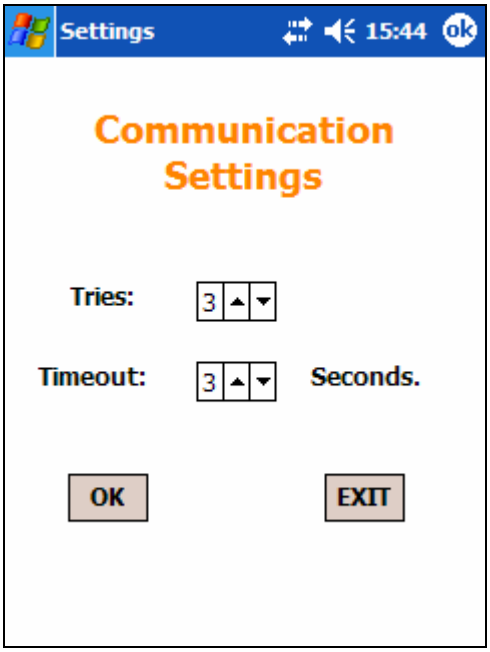
Otherwise press **CANCEL** and return to **User Manager Screen** without changes.

To edit an existing user account, select it from the user list and click **EDIT**. (You cannot edit the Login Name).

If you want to delete a user account, select it from the user list and click **DEL**. (the IMET account is the only one that cannot be deleted, but to avoid future undesired IMET user sessions, the password should be changed). Before deleting the user the application will ask you to confirm it.

Communication Settings

Please, do not change these values unless you have problems when connecting to different i-MET SYSTEM devices.



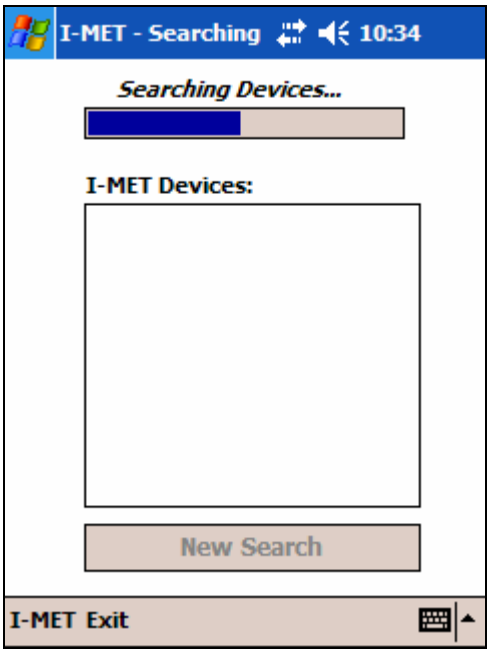
- **Tries**: Number of times the system will resend an i-MET SYSTEM command.

- **Timeout**: Waiting time in seconds for each try.

Press **OK** for saving new values or **EXIT** for return to menu without changes.

Note:
The default values are 3 tries and 3 seconds for Timeout. Please do not change these values if you don't have problems with i-MET SYSTEM communications.
Please contact us and report the problem before setting new values.

i-MET SYSTEM Devices Search

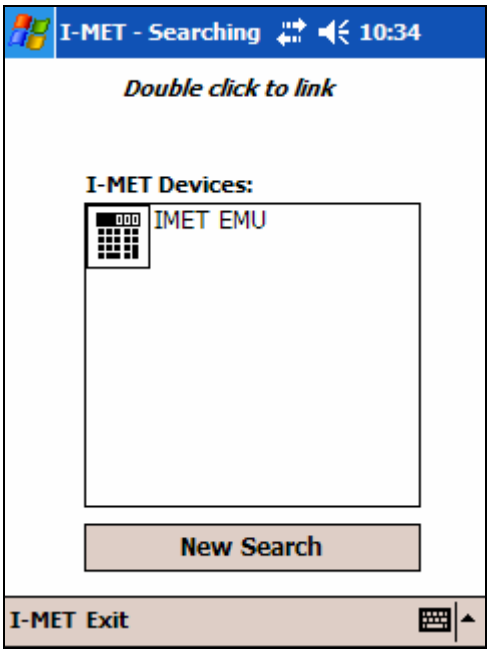


When clicking on **Work,** the application will start automatically searching for Bluetooth devices.

Notice that the standard Pocket PC Bluetooth range is about 10 meters (30 feet) without obstacles, so please consider less distance if i-MET SYSTEM device is in the mould and behind the moulding machine door.

Searching i-MET SYSTEM Devices

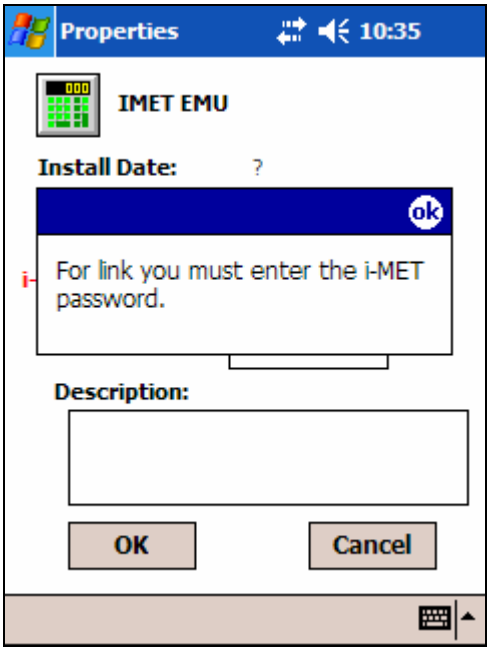
When the search is completed you can see the Bluetooth® Wireless Technology devices found in the list called i-MET SYSTEM devices. Note that other different Bluetooth® Wireless Technology devices such as mobile phones, laptops, personal assistants, etc… may also be found. You only will be able to work with i-MET SYSTEM devices, if you try to connect to a device different than i-MET SYSTEM, you will get an error message.



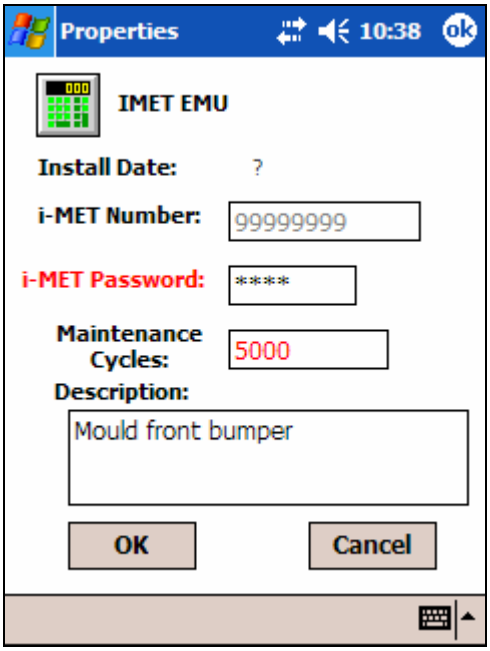
Setting i-MET SYSTEM Devices Properties

In the list, i-MET SYSTEM devices that have not been linked with this i-MET SYSTEM Remote Control Application appear in grey colour and before the first connection you must set its properties.

Double click on the grey i-MET SYSTEM device icon or use i-MET→Properties from menu. Then you will see the next screen:



To connect, you must know and write the correct four digit password of this specific i-MET SYSTEM device in the Password box (Red Coloured), if you wish, you can write also a short description of this specific i-MET SYSTEM device or of the mould where it is placed to ease the recognition/identification process in the future.



The first line refers to the i-MET SYSTEM Installation Date; it will automatically display the Installation Date when the system reaches 100 cycles, until that day the symbol "?" will be shown.

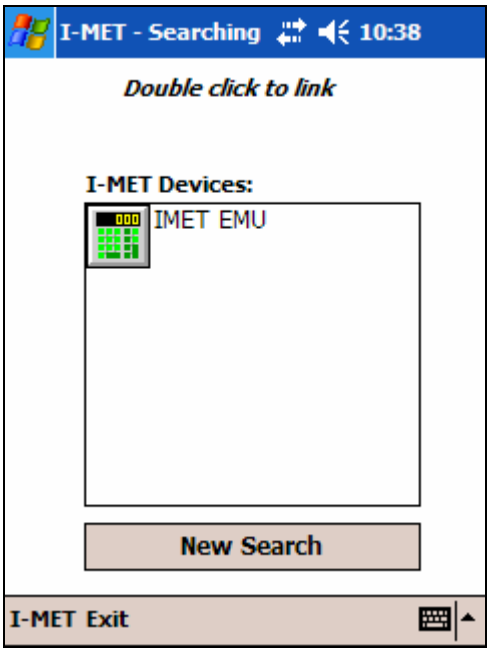
Another property you could use is the **Maintenance** alert. You just write the number of parts you want to be manufactured before a mould cleaning or maintenance procedure must be done. Once the internal i-MET SYSTEM counter matches this number, an alert message will be shown at the Pocket PC device next time you connect with that specific mould.

Then click **OK** to save these new values or **Cancel** to disregard the modifications.

If you set the properties of this i-MET SYSTEM (only password is required), the icon becomes coloured and it is ready for connect.

If you wish to change i-MET SYSTEM properties, you can do this by using the contextual menu pressing 2 seconds or more over the icon or selecting i-MET SYSTEM icon by using i-MET→Properties from menu.

Connecting to i-MET SYSTEM Devices

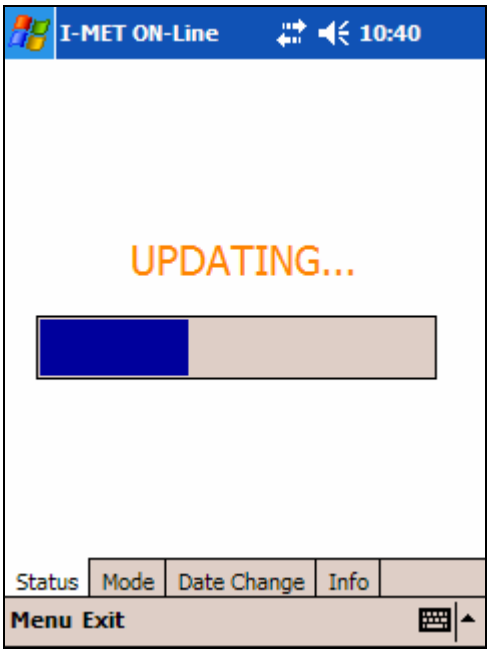


To connect to an i-MET SYSTEM device you must double click the i-MET SYSTEM icon inside the i-MET SYSTEM devices list. (Note that you only can connect to devices that have the properties set and just one at the time).

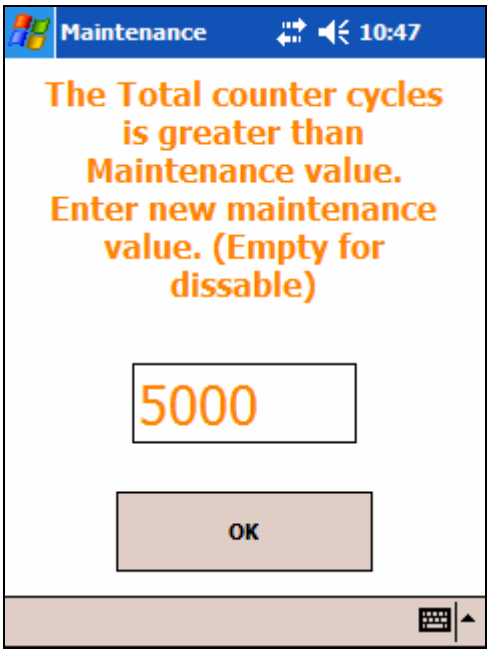
When connecting you will see a **blue light switched on** in the frontal of i-MET SYSTEM device, then the application verifies the password (already set in i-MET SYSTEM *Properties)*, Password must match to the connected i-MET SYSTEM device and otherwise you receive the next error message "Password incorrect. Please check i-MET SYSTEM properties". Please, verify that you are trying to connect to the correct i-MET SYSTEM device.

If you are trying to connect to another kind of Bluetooth device, the application will show an error message.

If connection is successful, then you can see the new screen and a progress bar with the message "Updating". On the connected i-MET device screen you should see "Bluetooth Rx".



If you set a maintenance value in the properties of this i-MET SYSTEM, the application will verify if the total counter of this i-MET SYSTEM device is greater or equal than the maintenance value, if so, the following message will show:


Maintenance
10:47
The Total counter cycles is greater than Maintenance value. Enter new maintenance value. (Empty for dissable)
5000
OK

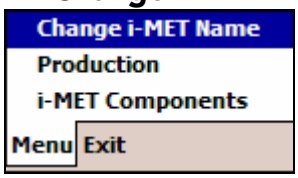
If the total counter value is bigger than the maintenance value, delete it to disable the maintenance value application.

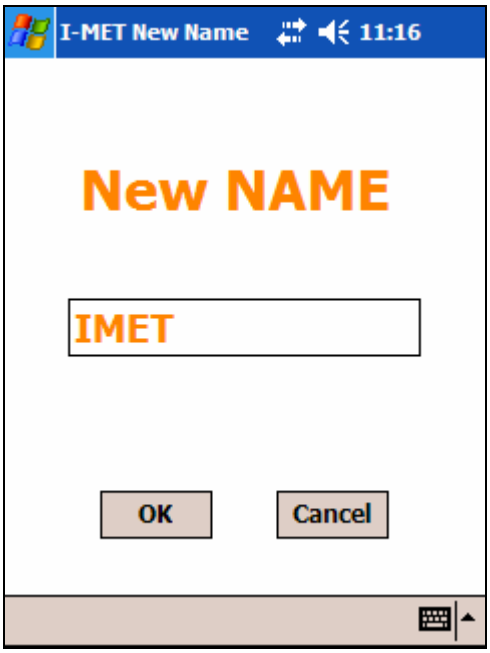
Working with i-MET SYSTEM

At this moment you are linked with i-MET SYSTEM device and ready to retrieve and/or update different information/parameters.

At the bottom menu you can: (Administrator users only)

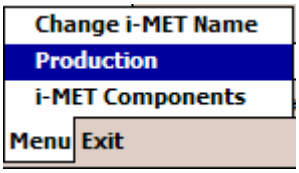
- **Change i-MET SYSTEM Name**:



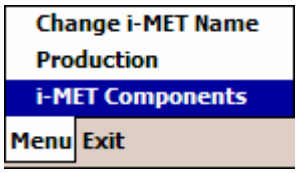


You can change your i-MET SYSTEM Bluetooth name to simplify the recognition process in the future just writing the new name and clicking **OK**, to discard changes, click **Cancel**.

- **Production**: This option enables your access to the stored production data of this particular mould. (See i-MET SYSTEM Production Control Section on page 34)

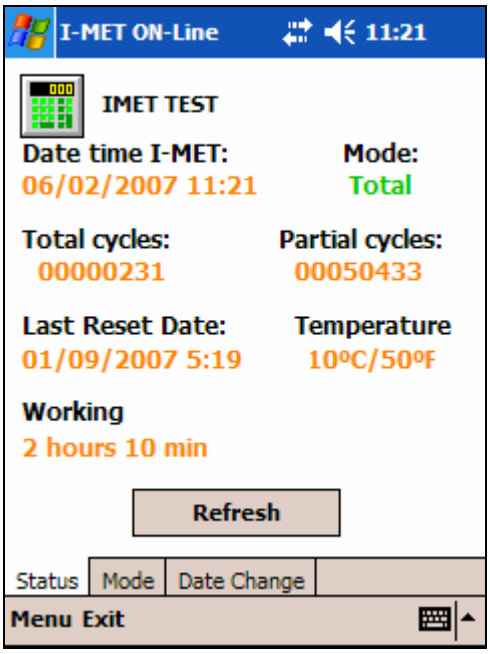


- **i-MET Components:** This option enables you to consult the i-MET components currently installed in this specific I i-MET SYSTEM (See i-MET SYSTEM Components on page 37)



To return to i-MET SYSTEM **Search Devices**, click **Exit** from the menu bar.

Status Tab

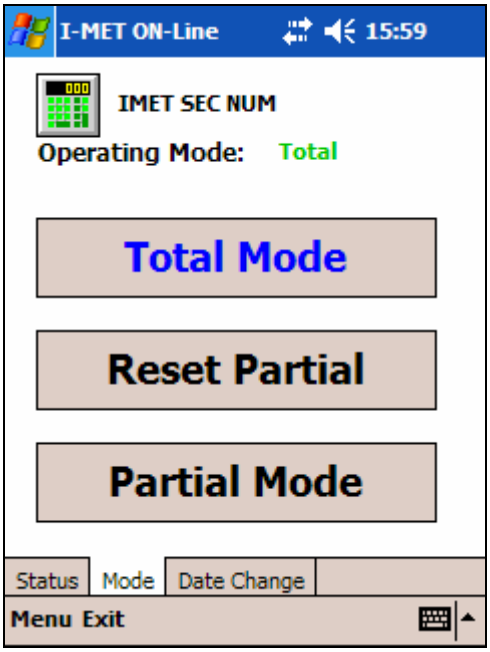


The first tab, **Status**, shows the general view of i-MET SYSTEM device.

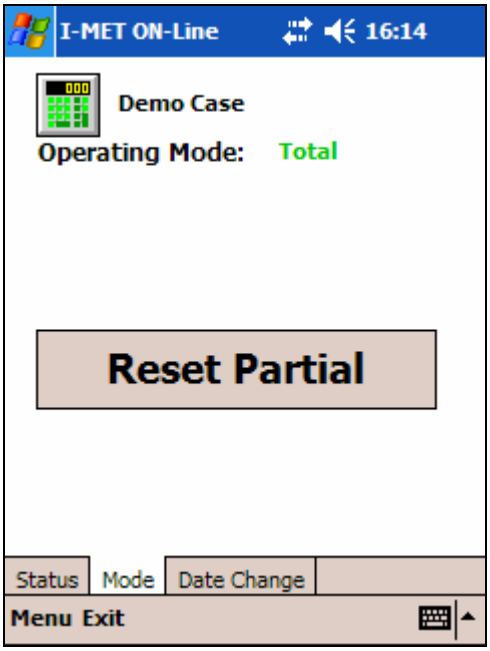
- **Date time** i-MET SYSTEM: The current date and time value of the connected i-MET SYSTEM device.
- **Mode:** Shows the current selected operating mode of i-MET SYSTEM device.
- **Total cycles**: Total cycles counter, indicates the total number of cycles the mould has completed since the initial installation. It cannot be reset.
- **Partial cycles**: The current value of Partial cycles counter. This value can be reset to 0 or set to a different value at any time.
- **Last Reset Date:** Date and time of last reset of Partial cycles counter.
- **Temperature:** Temperature in Celsius and Fahrenheit of the i-MET SYSTEM Control Unit.
- **Working**: Total time in hours since the initial installation of the i-MET SYSTEM.
- **INFO:** (This value only appears if the i-MET SYSTEM has an INFO Electronic Marker installed**).** The current value of the **INFO Marker**.

Any time you want to know the current status of the i-MET SYSTEM device, you should click **Refresh.**

Operating Mode Tab



(i-MET SYSTEM device with Numeric Electronic Marker is installed)

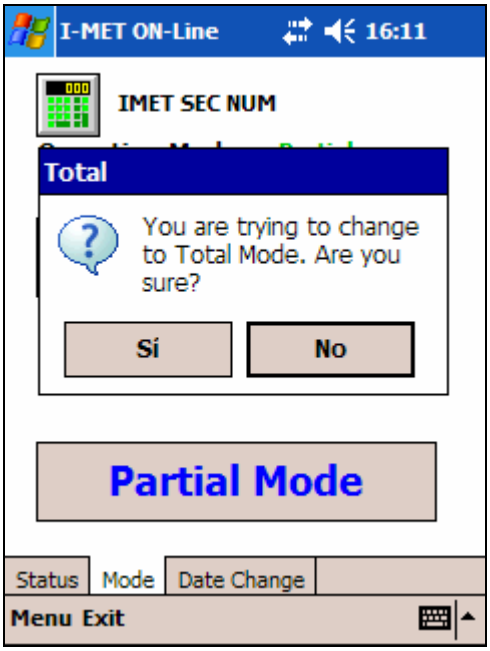


(i-MET SYSTEM device without Numeric Electronic Marker is installed)

.

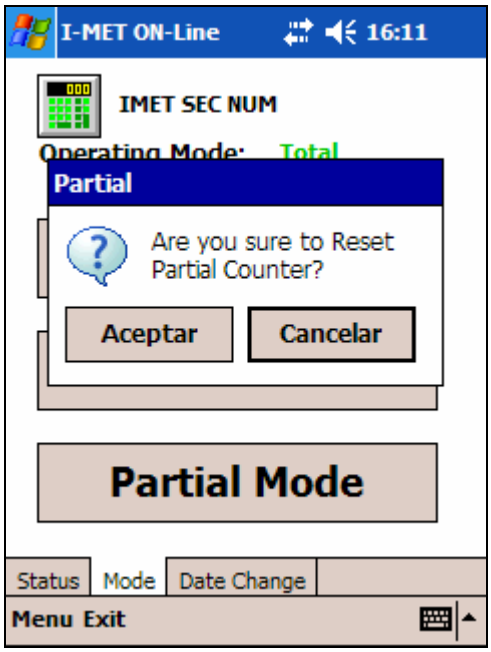
Total Mode

When you click this button you can set the Operating Mode to Total.



Press **Yes** to change Operating Mode to Total.

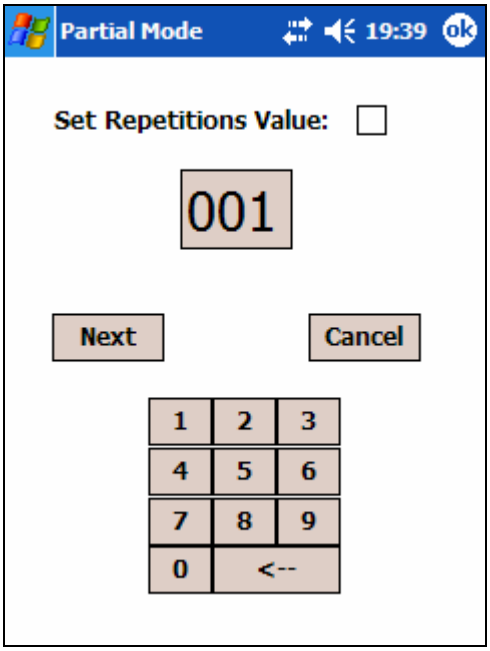
If you wish to **Reset the Partial Counter** to cero, you can press the Reset Partial button from the Mode tab. Please note that this action does not change the Operating Mode in any way.



Partial Mode

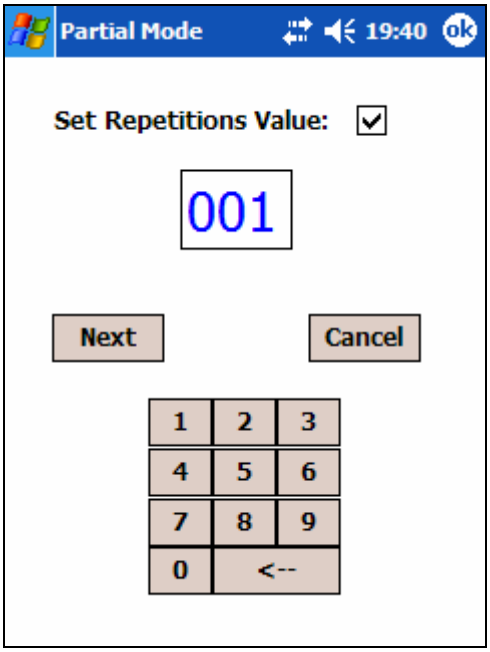
When you click this button, you gain access to this screen where you can set the Operating Mode to Partial (before setting the parameters of the Partial Counter).

The first parameter that you can set is the repetitions value:



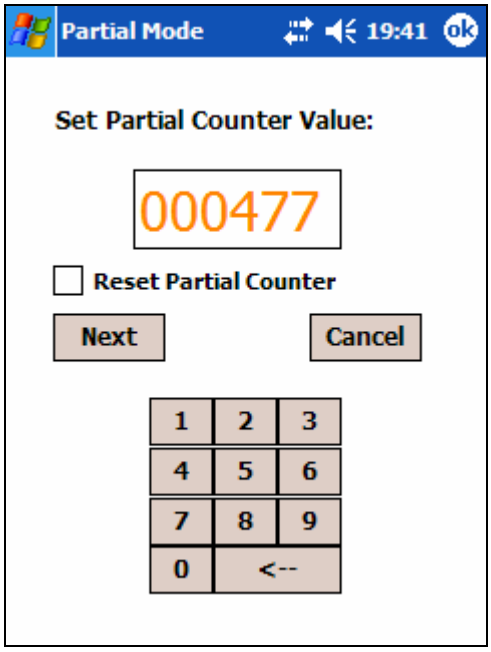
Operating on Partial Mode, it is possible to set the Repetitions Counter to a new custom value, so that quantity of parts would show the same number. To do so:

- Check the check box to enable the Repetitions text box.
- Write a new value in the Repetitions text box.
- Press Next button.

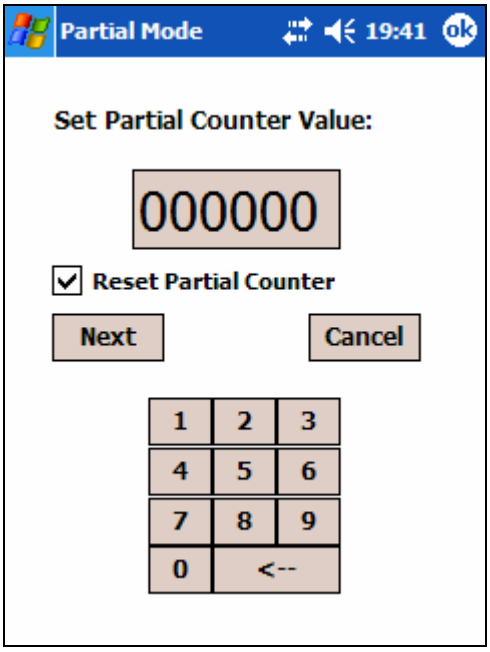


To set the Partial Counter to a new custom value:

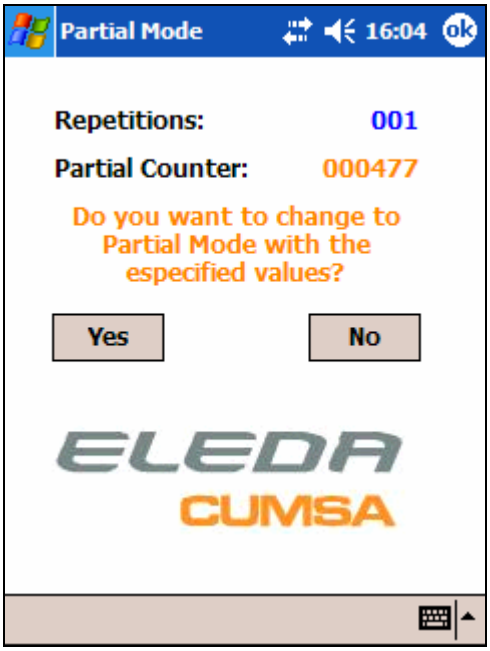
- Write the new value in the Counter text box.
- Press Next button.



If you wish to **Reset the Partial Counter** to cero, you must check the **Reset Partial Counter** check box from this screen.

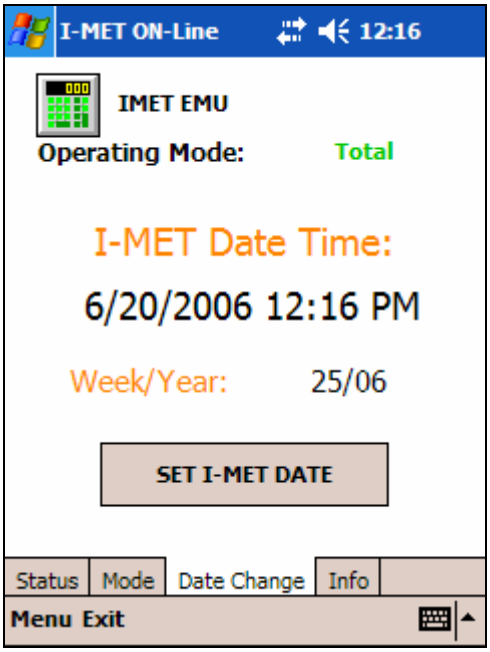


To continue Press **Next** and to abort press **Cancel** to return to Mode Tab without changes.



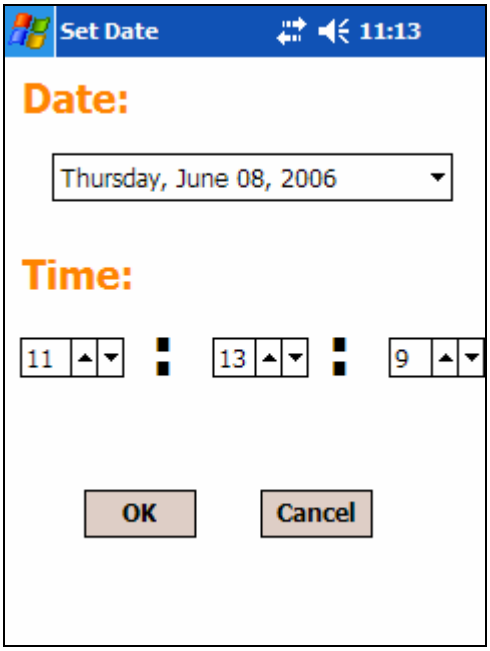
Press **Yes** to accept the new values for Repetitions and Partial counter , the i-MET device will now operate in Partial Mode.

Date Change Tab



In this tab you can view the current date, time value and the week number of the i-MET device read in the last Status Refresh. It can be changed, only if you are an Administrator user, by clicking **SET I-MET DATE**.

An administrator user can press **SET I-MET DATE,** and gain access to the following screen:



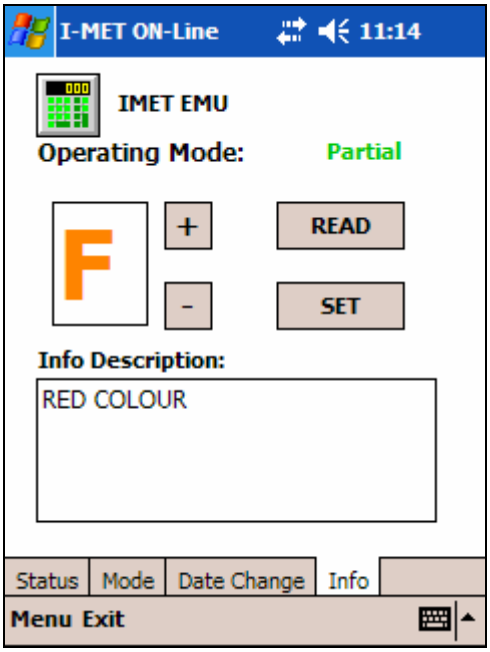
You can select the date and time you wish to set on the i-MET device from the arrow boxes on the screen.

The default values in this screen are the date and time values of your Pocket PC.

You can accept and set the date values by clicking **OK**, otherwise click **Cancel**.

In both cases you will return to the **Date Change** tab and can view the new or prior dates and times.

Info Tab



Note:
This tab only appears if the i-MET device has got installed an INFO Electronic Marker.

In this tab you can view the current INFO marker value of i-MET read in the last Status Refresh and change it (only if you are an Administrator user).

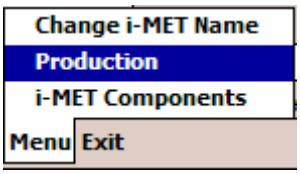
To refresh the current value press **READ**.
To set a new value push + or - to set your desired value in the box, at this time press **SET**.

For each value you can save some comment at the bottom text area for later reference. These values are automatically saved but will be only legible when the INFO value where you wrote them appears on the text box.

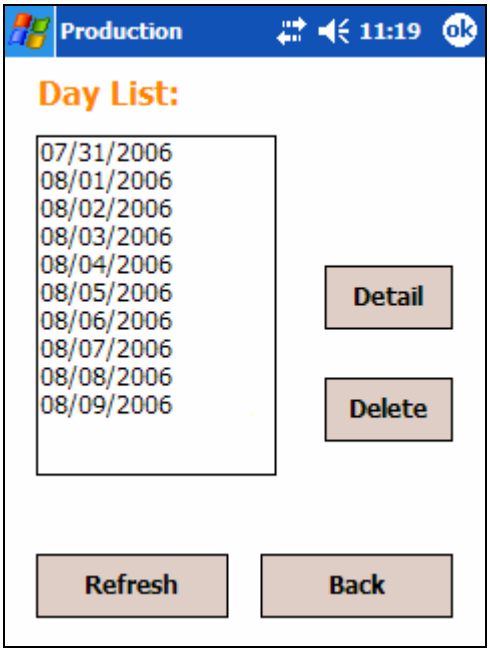
i-MET SYSTEM Mould Production Data Reports

All i-MET SYSTEM CUP devices automatically save the production data of the mould they are installed in.

This information is accessible via the Production Data option in the menu when the application is linked with the i-MET SYSTEM.



If you choose the Production option, the following screen appears below:



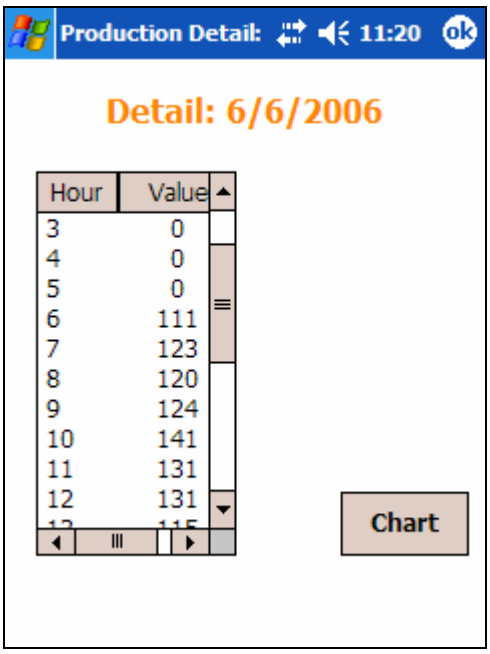
You can view the last ten days of the production data stored in the i-MET SYSTEM.

If you click **Detail**, you view the detailed hourly production of the selected day.

If you click **Delete**, you delete all the production data the i-MET SYSTEM stores.

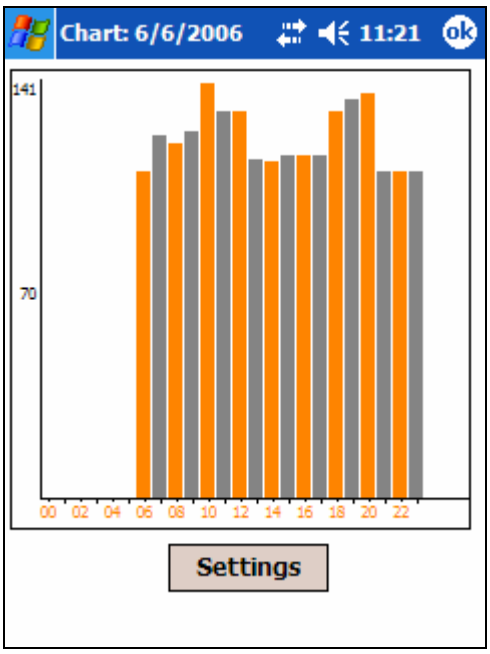
If you click **Refresh**, you update the data from the i-MET SYSTEM.

Production Detail

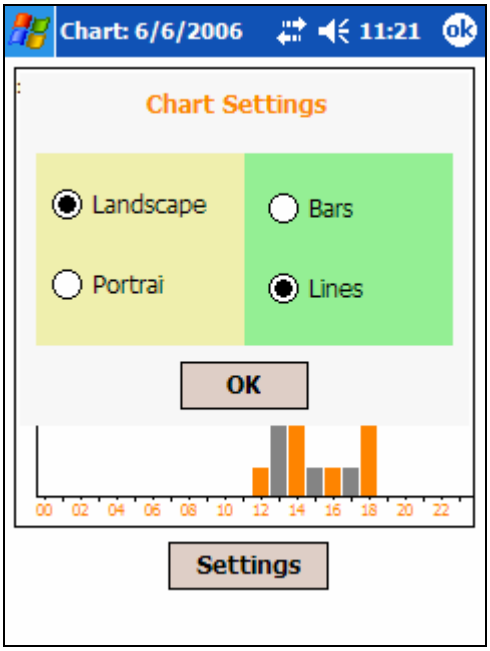


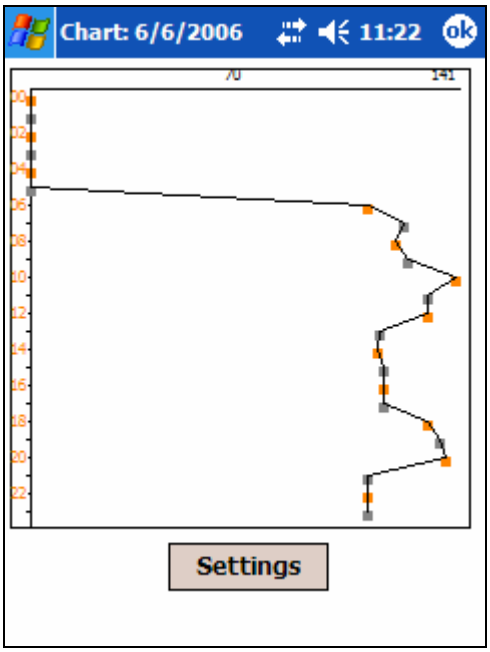
The Detail Screen enables you to view the daily production selected in hour increments.

You can view graphically this data by clicking the **Chart** button.



You can change the chart style and orientation by clicking the **Settings** button.

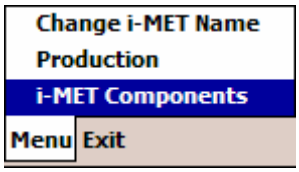




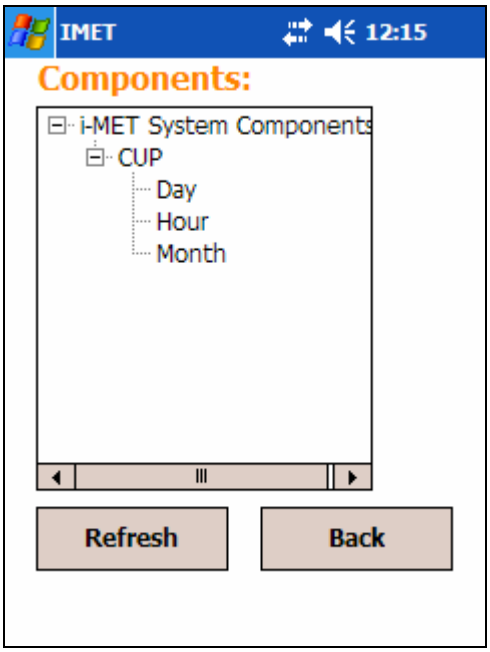
i-MET SYSTEM Components

You can check all different types of components installed in the i-MET SYSTEM you are actually connected to.

To do so: From Menu click on **i-MET Components.**



The next screen will list all different components installed in the i-MET SYSTEM.



Press **Refresh** to request the same information once again.

Press **Back** for return to the main work screen.